



INTRINSICALLY SAFE SIGNAL CABLE

EN 50288-7

15 orderable sizes

STANDARD <b>EN 50288-7</b>	VOLTAGE CLASS <b>300/500 V</b>	CONDUCTOR <b>0.5 mm<sup>2</sup>, 0.75 mm<sup>2</sup>, 1.0 mm<sup>2</sup></b>
INSULATION / JACKET <b>Blue LSZH outer sheath</b>		

Construction

- 1 ■ Conductor (per core) – Plain or tinned copper conductor · 7 × Ø0.37 mm · IEC 60228 cl.2
- 2 ■ Pair insulation – XLPE, EPR or fire resistant insulation
- 3 ■ Individual screen (IS) – Al/polyester foil + tinned-copper drain
- 4 ■ Filler – Bedding / filler
- 5 ■ Overall screen (OS) – Al/polyester foil + drain
- 6 ■ Sheath – Blue LSZH outer sheath

Size selection — all available cross-sections

Cable reference	Service package	Standard	Cable design	Voltage / signal class	Pair / core design	Conductor / fibre	Screen / protection	Fire and safety rating	Oil, mud and environment	Sheath	Electrical / optical reference	OD guide
EN 50288-7 IS Blue Instrumentation 300/500 V 2 pair 0.5 mm <sup>2</sup> Blue LSZH outer sheath	Intrinsically safe instrumentation circuit package	EN 50288-7	Individual and overall screened multipair instrumentation cable	300/500 V	2 pair	0.5 mm <sup>2</sup>	Individual pair screen plus overall screen	LSZH, low smoke and flame retardant	Hazardous-area instrumentation and intrinsically safe circuits	Blue LSZH outer sheath	36.7 Ω/km max	15.4 mm
EN 50288-7 IS Blue Instrumentation 300/500 V 2 pair 0.75 mm <sup>2</sup> Blue LSZH outer sheath	Intrinsically safe instrumentation circuit package	EN 50288-7	Individual and overall screened multipair instrumentation cable	300/500 V	2 pair	0.75 mm <sup>2</sup>	Individual pair screen plus overall screen	LSZH, low smoke and flame retardant	Hazardous-area instrumentation and intrinsically safe circuits	Blue LSZH outer sheath	24.5 Ω/km max	15.7 mm
EN 50288-7 IS Blue Instrumentation 300/500 V 2 pair 1.0 mm <sup>2</sup> Blue LSZH outer sheath	Intrinsically safe instrumentation circuit package	EN 50288-7	Individual and overall screened multipair instrumentation cable	300/500 V	2 pair	1.0 mm <sup>2</sup>	Individual pair screen plus overall screen	LSZH, low smoke and flame retardant	Hazardous-area instrumentation and intrinsically safe circuits	Blue LSZH outer sheath	18.1 Ω/km max	15.9 mm
EN 50288-7 IS Blue Instrumentation 300/500 V 4 pair 0.5 mm <sup>2</sup> Blue LSZH outer sheath	Intrinsically safe instrumentation circuit package	EN 50288-7	Individual and overall screened multipair instrumentation cable	300/500 V	4 pair	0.5 mm <sup>2</sup>	Individual pair screen plus overall screen	LSZH, low smoke and flame retardant	Hazardous-area instrumentation and intrinsically safe circuits	Blue LSZH outer sheath	36.7 Ω/km max	16.5 mm
EN 50288-7 IS Blue Instrumentation 300/500 V 4 pair 0.75 mm <sup>2</sup> Blue LSZH outer sheath	Intrinsically safe instrumentation circuit package	EN 50288-7	Individual and overall screened multipair instrumentation cable	300/500 V	4 pair	0.75 mm <sup>2</sup>	Individual pair screen plus overall screen	LSZH, low smoke and flame retardant	Hazardous-area instrumentation and intrinsically safe circuits	Blue LSZH outer sheath	24.5 Ω/km max	16.8 mm
EN 50288-7 IS Blue Instrumentation 300/500 V 4 pair 1.0 mm <sup>2</sup> Blue LSZH outer sheath	Intrinsically safe instrumentation circuit package	EN 50288-7	Individual and overall screened multipair instrumentation cable	300/500 V	4 pair	1.0 mm <sup>2</sup>	Individual pair screen plus overall screen	LSZH, low smoke and flame retardant	Hazardous-area instrumentation and intrinsically safe circuits	Blue LSZH outer sheath	18.1 Ω/km max	17.0 mm
EN 50288-7 IS Blue Instrumentation 300/500 V 8 pair 0.5 mm <sup>2</sup> Blue LSZH outer sheath	Intrinsically safe instrumentation circuit package	EN 50288-7	Individual and overall screened multipair instrumentation cable	300/500 V	8 pair	0.5 mm <sup>2</sup>	Individual pair screen plus overall screen	LSZH, low smoke and flame retardant	Hazardous-area instrumentation and intrinsically safe circuits	Blue LSZH outer sheath	36.7 Ω/km max	18.1 mm
EN 50288-7 IS Blue Instrumentation 300/500 V 8 pair	Intrinsically safe	EN 50288-7	Individual and overall screened	300/500 V	8 pair	0.75 mm <sup>2</sup>	Individual pair screen	LSZH, low smoke and	Hazardous-area instrumentation and	Blue LSZH	24.5 Ω/km max	18.4 mm

Cable reference	Service package	Standard	Cable design	Voltage / signal class	Pair / core design	Conductor / fibre	Screen / protection	Fire and safety rating	Oil, mud and environment	Sheath	Electrical / optical reference	OD guide
0.75 mm <sup>2</sup> Blue LSZH outer sheath	instrumentation circuit package		multipair instrumentation cable				plus overall screen	flame retardant	intrinsically safe circuits	outer sheath		
EN 50288-7 IS Blue Instrumentation 300/500 V 8 pair 1.0 mm <sup>2</sup> Blue LSZH outer sheath	Intrinsically safe instrumentation circuit package	EN 50288-7	Individual and overall screened multipair instrumentation cable	300/500 V	8 pair	1.0 mm <sup>2</sup>	Individual pair screen plus overall screen	LSZH, low smoke and flame retardant	Hazardous-area instrumentation and intrinsically safe circuits	Blue LSZH outer sheath	18.1 Ω/km max	18.6 mm
EN 50288-7 IS Blue Instrumentation 300/500 V 16 pair 0.5 mm <sup>2</sup> Blue LSZH outer sheath	Intrinsically safe instrumentation circuit package	EN 50288-7	Individual and overall screened multipair instrumentation cable	300/500 V	16 pair	0.5 mm <sup>2</sup>	Individual pair screen plus overall screen	LSZH, low smoke and flame retardant	Hazardous-area instrumentation and intrinsically safe circuits	Blue LSZH outer sheath	36.7 Ω/km max	20.4 mm
EN 50288-7 IS Blue Instrumentation 300/500 V 16 pair 0.75 mm <sup>2</sup> Blue LSZH outer sheath	Intrinsically safe instrumentation circuit package	EN 50288-7	Individual and overall screened multipair instrumentation cable	300/500 V	16 pair	0.75 mm <sup>2</sup>	Individual pair screen plus overall screen	LSZH, low smoke and flame retardant	Hazardous-area instrumentation and intrinsically safe circuits	Blue LSZH outer sheath	24.5 Ω/km max	20.6 mm
EN 50288-7 IS Blue Instrumentation 300/500 V 16 pair 1.0 mm <sup>2</sup> Blue LSZH outer sheath	Intrinsically safe instrumentation circuit package	EN 50288-7	Individual and overall screened multipair instrumentation cable	300/500 V	16 pair	1.0 mm <sup>2</sup>	Individual pair screen plus overall screen	LSZH, low smoke and flame retardant	Hazardous-area instrumentation and intrinsically safe circuits	Blue LSZH outer sheath	18.1 Ω/km max	20.8 mm
EN 50288-7 IS Blue Instrumentation 300/500 V 24 pair 0.5 mm <sup>2</sup> Blue LSZH outer sheath	Intrinsically safe instrumentation circuit package	EN 50288-7	Individual and overall screened multipair instrumentation cable	300/500 V	24 pair	0.5 mm <sup>2</sup>	Individual pair screen plus overall screen	LSZH, low smoke and flame retardant	Hazardous-area instrumentation and intrinsically safe circuits	Blue LSZH outer sheath	36.7 Ω/km max	22.1 mm
EN 50288-7 IS Blue Instrumentation 300/500 V 24 pair 0.75 mm <sup>2</sup> Blue LSZH outer sheath	Intrinsically safe instrumentation circuit package	EN 50288-7	Individual and overall screened multipair instrumentation cable	300/500 V	24 pair	0.75 mm <sup>2</sup>	Individual pair screen plus overall screen	LSZH, low smoke and flame retardant	Hazardous-area instrumentation and intrinsically safe circuits	Blue LSZH outer sheath	24.5 Ω/km max	22.3 mm
EN 50288-7 IS Blue Instrumentation 300/500 V 24 pair 1.0 mm <sup>2</sup> Blue LSZH outer sheath	Intrinsically safe instrumentation circuit package	EN 50288-7	Individual and overall screened multipair instrumentation cable	300/500 V	24 pair	1.0 mm <sup>2</sup>	Individual pair screen plus overall screen	LSZH, low smoke and flame retardant	Hazardous-area instrumentation and intrinsically safe circuits	Blue LSZH outer sheath	18.1 Ω/km max	22.6 mm